	Application No.	Applicant(s)
Notice of Allowability	10/557,285	MCBRIDE, THOMAS R.
	Examiner	Art Unit	
	Brij B. Shrivastav	2859	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *amendment dated 12, 2006*.

2. ☒ The allowed claim(s) is/are *1-18*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

       1. ☐ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

       1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

      Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date *11/18/05*

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

Brij B Shrivastav
Primary Examiner
Art Unit: 2859

1.   Applicant's amendment via fax on September 12, 2006 has been received and

entered. The pending claims 1-28 are in allowable condition.

REASONS FOR ALLOWANCE

2.   The following is an examiner's statement of reasons for allowance:

Claims 1-16 are allowed, as the prior art of record does not teach or suggest a

magnetic resonance imaging scanner having a magnetic field gradient system, including

a pre-emphasis digital circuit that receives a digital magnetic field gradient control signal

and outputs digital pre-emphasis correction terms that are digitally combined with the

digital magnetic field gradient control signal, in combination with the remaining

limitations of the claims.

Claims 17-21 are allowed, as the prior art of record does not teach or suggest in

a magnetic resonance imaging apparatus including a means for digitally filtering the

delayed digital magnetic field gradient control signal to produce the digital pre-emphasis

correction term, in combination with the remaining limitations of the claims.

Claims 22-28 are allowed, as the prior art of record does not teach or suggest a

method for controlling a magnetic field-generating coil of a magnetic resonance imaging

scanner, the method including constructing at least one digital coil control signal based

on the delayed digital magnetic field gradient control signal and the digitally filtered

delayed digital magnetic field gradient control signal, in combination with the remaining

limitations of the claims.

3.   Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably
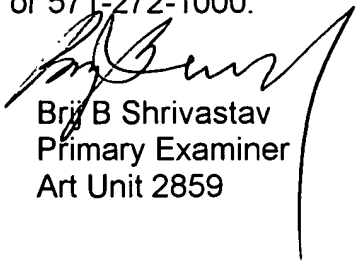
accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

4.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Brij B. Shrivastav whose telephone number is 571-272-

2250. The examiner can normally be reached on 7 AM to 4 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Diego F. F. Gutierrez can be reached on 571-272-2245. The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

5.   Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

September 13, 2006   Brij B Shrivastav
                                                             Primary Examiner
                                                             Art Unit 2859

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